

Área Académica de Ingeniería en Computadores  
Instituto Tecnológico de Costa Rica  
CE-4302 Arquitectura de Computadores II  
Evaluación Taller 4: OpenMP parte II

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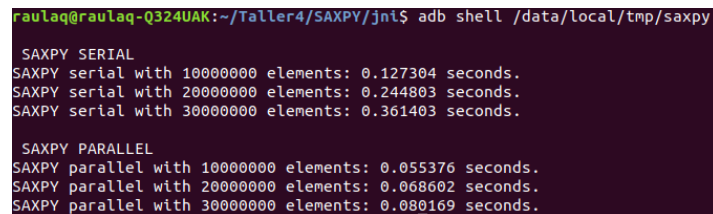
## 1 Resultados

### 1. Saxpy

Comandos compilación:

- `/opt/android-ndk-r20/ndk-build`
- `adb push ../libs/armeabi-v7a/saxpy /data/local/tmp`
- `adb shell /data/local/tmp/saxpy`

Resultados:



```
raulq@raulq-Q324UAK:~/Taller4/SAXPY/jni$ adb shell /data/local/tmp/saxpy
SAXPY SERIAL
SAXPY serial with 10000000 elements: 0.127304 seconds.
SAXPY serial with 20000000 elements: 0.244803 seconds.
SAXPY serial with 30000000 elements: 0.361403 seconds.

SAXPY PARALLEL
SAXPY parallel with 10000000 elements: 0.055376 seconds.
SAXPY parallel with 20000000 elements: 0.068602 seconds.
SAXPY parallel with 30000000 elements: 0.080169 seconds.
```

Figure 1: Resultados de ejecución Saxpy

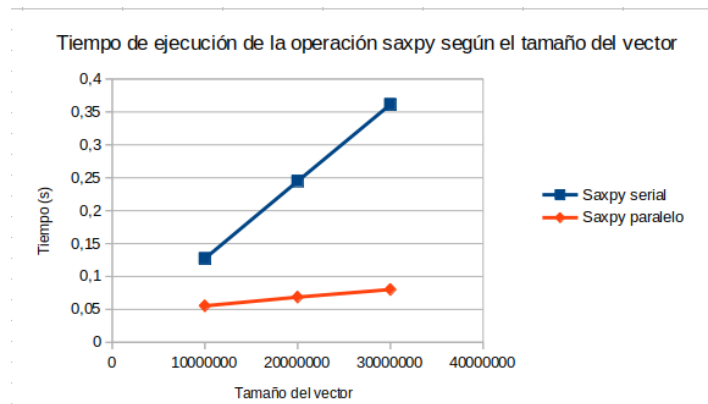


Figure 2: Gráfico resultados de ejecución Saxpy

## 2. Operación $Z = (V - W) + (X - Y)$

Comandos compilación:

- `/opt/android-ndk-r20/ndk-build`
- `adb push ../libs/armeabi-v7a/operation /data/local/tmp`
- `adb shell /data/local/tmp/operation`

Resultados:

```
raulag@raulag-Q324UAK:~/Taller4/Operation/jni$ adb shell /data/local/tmp/operation
OPERATION SERIAL
Operation serial with 10000000 elements: 0.173840 seconds.
Operation serial with 20000000 elements: 0.368310 seconds.
Operation serial with 30000000 elements: 0.448349 seconds.

OPERATION PARALLEL
Operation parallel with 10000000 elements: 0.087395 seconds.
Operation parallel with 20000000 elements: 0.117864 seconds.
Operation parallel with 30000000 elements: 0.174341 seconds.
```

Figure 3: Resultados de ejecución de la operación

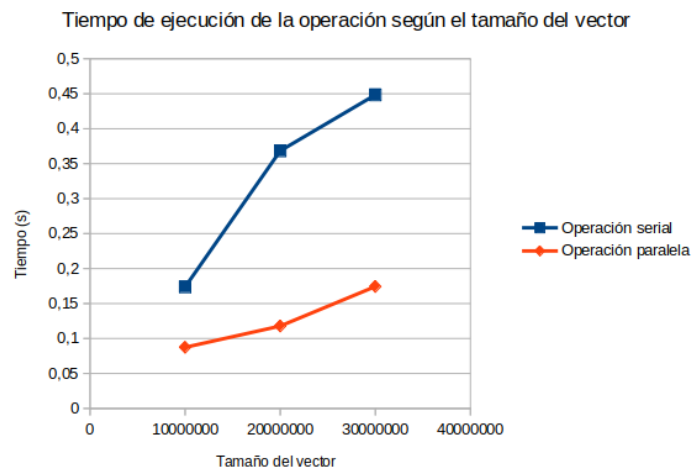


Figure 4: Gráfico resultados de ejecución de la operación

### 3. Link código fuente

<https://github.com/Rolo96/Taller4-Arqui2>